

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10723216	metal or Nickel or Ni or Copper or Cu or Iron or Fe or Tin or Sn or Zinc or Zn or Titanium or Ti or Manganese or Calcium or Ca	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/12/09 13:02
L2	40297	hpmc or hydroxypropyl methyl cellulose or hydroxypropylmethyl cellulose or hydroxymethylpropylcellulose or hydrocellose	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/12/09 13:02
L3	1741	L2 same ammonia	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/12/09 13:02
L4	446	L1 same L3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/12/09 13:02
L5	278	I4 and @ad< "20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/12/09 13:03
L6	2	"20070170393".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/12/09 13:27
L7	1500	L1 and L3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/12/09 13:48
L8	220	I7 and l2.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/12/09 14:24
L9	123	I8 and @ad< "20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/12/09 14:24
S1	2	"US 20070170393"	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2008/08/04 09:17
S2	0	zheng-caiteng\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 10:19
S3	4	zhang-caiteng\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 10:19
S4	321	527/300.cls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 10:25

S5	600	252/183.13;429/347.ccl.s	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 10:43
S6	1	(S4 or S5) and chelate same chitosan	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 10:49
S7	27	(S4 or S5) and chelate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 10:49
S8	649	chelate and chitosan and citric acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 10:53
S9	486	S8 and @ad<"20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 10:53
S10	455	S9 and (ammonia or amine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 10:54
S11	11	CN-1234367-\$ did. or CN-1317496-\$ did. or WO-0112218-\$ did. or JP-05049684-\$ did. or CN-1356295-\$ did. or KR-2001106359-\$ did. or JP-03066612-\$ did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 10:56
S12	133	chitosan with chelate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 11:06
S13	114	S12 and @ad<"20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 11:06
S14	1	EP-1206277-\$ did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 11:10
S15	3	"5,643,971".pn. or "5,541,233".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 11:23
S16	207193	(\$4saccharide or carbohydrate or chitin or chitosan or HPMC or hydroxypropylmethyl cellulose or hydroxy propyl methyl cellulose)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 11:52
S17	284443	(\$4saccharide or carbohydrate or chitin or chitosan or HPMC or hydroxypropylmethyl cellulose or hydroxy propyl methyl cellulose)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 11:53
S18	16673	S17 and (chelate and (metal or calcium or magnesium or zinc or iron or copper or titanium or beryllium or cobalt))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 11:55
S19	649	S8 and (acid or vitamin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 11:59

S20	16540	S18 and (acid or vitamin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 11:59
S21	4260	S20 and (absorbent or polyvinylpyrrolidone or pyrrolidone or PVP)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 12:00
S22	243	S21 and (silicic acid or nano powder)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 12:00
S23	162	S22 and @ad< "20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 12:01
S24	42	(US-20060151396-\$ or US-20050182021-\$ or US-2004265401-\$ or US-20040215045-\$ or US-2003054949-\$ or US-2002143172-\$ or US-2002031561-\$ or US-20010014334-\$ or US-20050227290-\$ or US-20050115890-\$ or US-20030224974-\$ or US-20030055003-\$).did. or (US-7311997-\$ or US-7365190-\$ or US-6627099-\$ or US-4617244-\$ or US-6703419-\$ or US-6589942-\$ or US-5643971-\$ or US-5541233-\$ or US-6447812-\$ or US-5912000-\$ or US-5599916-\$ or US-4921949-\$ or US-4424346-\$ or US-5059654-\$).did. or (EP-1553135-\$ or WO-2004013219-\$ or WO-9831712-\$).did. or (JP-05049684-\$ or JP-11152202-\$ or JP-07305385-\$ or JP-03000136-\$ or JP-02229831-\$).did. or (KR-2001106359-\$ or CN-1317496-\$ or WO-0112218-A-\$ or JP-05049684-\$ or CN-1389502-\$ or KR-2001104112-\$ or US-5912000-\$ or US-3862122-\$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 13:08
S25	6	S24 and silicic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 13:09
S26	8	"5,422,096".pn. or "5,527,522".pn. or "5,628,982".pn. or "5,874,573".pn. or "5,906,996".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 13:15
S27	0	S26 and chitosan	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 13:15
S28	5	WO-9744313-.did. or WO-9749409-.did. or WO-9939706-.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 13:16
S29	1	S24 and nano\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 13:18
S30	1	S24 and nano	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/04 13:18

S31	42	(US-20060151396-\$ or US-20050182021-\$ or US-20040265401-\$ or US-20040215045-\$ or US-20030054949-\$ or US-20020143172-\$ or US-20020031561-\$ or US-20010014334-\$ or US-20050227290-\$ or US-20050115890-\$ or US-20030224974-\$ or US-20030055003-\$).did. or (US-7311997-\$ or US-7365190-\$ or US-6627099-\$ or US-4617244-\$ or US-6703419-\$ or US-6589942-\$ or US-5643971-\$ or US-5541233-\$ or US-6447812-\$ or US-5912000-\$ or US-5599916-\$ or US-4921949-\$ or US-4424346-\$ or US-5059654-\$).did. or (EP-1553135-\$ or WO-2004013219-\$ or WO-9831712-\$).did. or (JP-05049684-\$ or JP-11152202-\$ or JP-07305385-\$ or JP-03000136-\$ or JP-02229831-\$).did. or (KR-2001106359-\$ or CN-1317496-\$ or WO-0112218-A-\$ or JP-05049684-\$ or CN-1389502-\$ or KR-2001104112-\$ or US-5912000-\$ or US-3862122-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/08/05 07:57
S32	5	S31 and (\$pyrrolidone or PVP)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/05 07:58
S33	6	S31 and (silicic or nano)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/05 08:02
S34	2	S31 and @ad> "20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/08/05 08:49
S35	23	(US-20060151396-\$ or US-20050182021-\$ or US-20040215045-\$ or US-20030054949-\$ or US-20020143172-\$ or US-20020031561-\$ or US-20010014334-\$ or US-20050227290-\$ or US-20050115890-\$ or US-20030224974-\$ or US-20030055003-\$).did. or (US-7365190-\$ or US-6627099-\$ or US-4617244-\$ or US-6589942-\$ or US-5912000-\$ or US-5599916-\$ or US-4921949-\$ or US-4424346-\$ or US-5059654-\$).did. or (KR-2001106359-\$ or US-5912000-\$ or US-3862122-\$).did.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2009/02/17 16:02
S36	15	S35 and ammonia	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:02
S37	220622	(polysaccharide or carbohydrate or chitin or chitosan or HPMC or hydroxypropylmethyl cellulose or hydroxy propyl methyl cellulose)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:10
S38	920808	ammonia	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:20

S39	12370060	metal or beryllium or magnesium or calcium or strontium or barium or radium or nickel or chromium or lead or copper or iron or zinc or titanium or manganese or cobalt or silver or gold or platinum or palladium or cadmium or lithium or rubidium or cesium or mercury or tin or zirconium or aluminum or thallium or antimony or bismuth or germanium or gallium or molybdenum or tungsten or yttrium or scandium or iridium or rhodium or technetium or osmium or ruthenium or rhenium or vanadium or indium or manganese or lanthanide or actinium or Ni or Cu or Fe or Sn or Zn or Ti or Mg or Ca	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:27
S40	118975	S37 same3 S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:30
S41	56908	S40 and S38 and acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:31
S42	125	S41 and chelate,ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:31
S43	40067	S41 and @ad<"20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:31
S44	101	S42 and @ad<"20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:35
S45	10554585	metal or Nickel or Ni or Copper or Cu or Iron or Fe or Tin or Sn or Zinc or Zn or Titanium or Ti or Manganese or Mg or Calcium or Ca	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:45
S46	78139	S37 same2 S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:45
S47	37427	S46 and S38 and (acid or vitamin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:46
S48	4528	S47 and chelate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:46
S49	3195	S48 and @ad<"20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:47
S50	37428	S46 and S38 and (acid or vitamin or vinegar)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:48

S51	4528	S50 and chelate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:48
S52	3195	S51 and @ad<"20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:48
S53	5321328	water or aqueous	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:49
S54	220622	(polysacharide or carbohydrate or chitin or chitosan or HPMC or hydroxypropylmethyl cellulose or hydroxy propyl methyl cellulose)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:50
S55	119754	S53 same3 S54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:50
S56	920808	ammonia	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:50
S57	10554585	metal or Nickel or Ni or Copper or Cu or Iron or Fe or Tin or Sn or Zinc or Zn or Titanium or Ti or Manganese or Mg or Calcium or Ca	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:50
S58	78139	S54 same2 S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:50
S59	37428	S58 and S56 and (acid or vitamin or vinegar)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:50
S60	4528	S59 and chelate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:50
S61	3195	S60 and @ad<"20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:50
S62	2148	S55 and S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:50
S63	3198089	(acid or vitamin or vinegar)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:54
S64	4664	S54 same S56 same S57 same S63 same	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:54
S65	3008	S54 same S56 same S57 same S63 same (water or aqueous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:55

S66	1109	S65 and @ad<"20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:55
S67	295	S66 and chelate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/17 16:55
S68	23	(US-20060151396-\$ or US-20050182021-\$ or US-20040215045-\$ or US-20030054949-\$ or US-20020143172-\$ or US-20020031561-\$ or US-20010014334-\$ or US-20050227290-\$ or US-20050115890-\$ or US-20030224974-\$ or US-20030055003-\$).did. or (US-7365190-\$ or US-6627099-\$ or US-4617244-\$ or US-6589942-\$ or US-5912000-\$ or US-5599916-\$ or US-4921949-\$ or US-4424346-\$ or US-5059654-\$).did. or (KR-20011063359-\$ or US-5912000-\$ or US-3862122-\$).did.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2009/02/18 07:21
S69	220622	(polysaccharide or carbohydrate or chitin or chitosan or HPMC or hydroxypropylmethyl cellulose or hydroxy propyl methyl cellulose)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 07:21
S70	920808	ammonia	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 07:21
S71	10554585	metal or Nickel or Ni or Copper or Cu or Iron or Fe or Tin or Sn or Zinc or Zn or Titanium or Ti or Manganese or Mg or Calcium or Ca	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 07:21
S72	3198089	(acid or vitamin or vinegar)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 07:21
S73	3008	S69 same S70 same S71 same S72 same (water or aqueous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 07:21
S74	1	S68 and S73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 07:21
S75	1154	S73 and ferment\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 07:47
S76	384	S75 and @ad<"20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 07:48
S77	77443	(polysaccharide or chitin or chitosan or HPMC or hydroxypropylmethyl cellulose or hydroxy propyl methyl cellulose)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 07:48
S78	5950	S77 same3 S70 same3 S71 same3 S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 07:49

S79	227	S76 and chelat\$4	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 07:50
S80	241927	polyvinyl alcohol or pva or polyvinylalcohol or poly vinyl alcohol	US-PPGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/02/18 08:44
S81	2	"US 6280742"	US-PPGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/02/18 08:59
S82	9	("4372883"   "4446122"   "4814169"   "4877611"   "4971956"   "5516639"   "5648478"   "5738867"   "5925362").PN. OR ("6280742").URPN.	US-PPGPUB; USPAT; USOCR	ADJ	ON	2009/02/18 08:59
S83	0	ON-1155509-\$-did.	US-PPGPUB; USPAT; USOCR	ADJ	ON	2009/02/18 09:01
S84	0	ON-1234367-\$-did.	US-PPGPUB; USPAT; USOCR	ADJ	ON	2009/02/18 09:01
S85	2	ON-1234367-\$-did.	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:01
S86	521804	amino acid or lysine or alanine or arginine or asparagine or aspartic acid or cysteine or glutamic acid or glutamine or glycine or leucine or isoleucine or histidine or methionine or phenylalanine	US-PPGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/02/18 09:09
S87	3653	S69 same S71 and S70 and S72 and S80 and S86	US-PPGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/02/18 09:10
S88	1726	S87 and S71 same chelat\$4	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:11
S89	2346	S87 and @ad<"20050131"	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:11
S90	1118	S88 and @ad<"20050131"	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:16
S91	28988	HPMC or hydroxypropylmethyl cellulose or hydroxy propyl methyl cellulose	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:32
S92	1	S91 with chelate	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:32
S93	44404	HPMC or hydroxypropylmethyl cellulose or hydroxy propyl methyl cellulose or hydroxypropylmethylcellulose	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:32

S94	52447	HPMC or hydroxypropylmethylcellulose or hydroxy propyl methyl cellulose or hydroxypropylmethylcellulose or hydroxypropyl methyl cellulose	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:33
S95	12259	S94 same S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:33
S96	14	S94 same S71 same chelate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:33
S97	6508	S94 same S71 and S70 and S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:34
S98	581	S94 same S71 same S70 same S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:35
S99	388	S98 and @ad<"20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:35
S100	10205673	metal or Nickel or Ni or Copper or Cu or Iron or Fe or Tin or Sn or Zinc or Zn or Titanium or Ti or Manganese or Calcium or Ca	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:35
S101	920808	ammonia	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:36
S102	3198089	(acid or vitamin or vinegar)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:36
S103	52447	HPMC or hydroxypropylmethylcellulose or hydroxy propyl methyl cellulose or hydroxypropylmethylcellulose or hydroxypropyl methyl cellulose	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:36
S104	10205673	metal or Nickel or Ni or Copper or Cu or Iron or Fe or Tin or Sn or Zinc or Zn or Titanium or Ti or Manganese or Calcium or Ca	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:36
S105	547	S103 same S104 same S101 same S102	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:36
S106	363	S105 and @ad<"20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:37
S107	38	chitosan with chelate and ammonia	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:46
S108	68	S106 and S104.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:53

S109	32	chelate.ab. and S103	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/02/18 09:59
S110	25	(US-20060151396-\$ or US-20050182021-\$ or US-20040215045-\$ or US-20030054949-\$ or US-20020143172-\$ or US-20020031561-\$ or US-20010014334-\$ or US-20050227290-\$ or US-20050115890-\$ or US-20030224974-\$ or US-20030055003-\$).did. or (US-7365190-\$ or US-6627099-\$ or US-4617244-\$ or US-6589942-\$ or US-5912000-\$ or US-5599916-\$ or US-4921949-\$ or US-4424346-\$ or US-5059654-\$ or US-4103003-\$).did. or (KR-2001106359-\$ or US-5912000-\$ or US-3862122-\$ or JP-06345804-\$).did.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2009/03/11 15:34
S111	16	S110 and ammonia	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/11 15:34
S112	25	(US-20060151396-\$ or US-20050182021-\$ or US-20040215045-\$ or US-20030054949-\$ or US-20020143172-\$ or US-20020031561-\$ or US-20010014334-\$ or US-20050227290-\$ or US-20050115890-\$ or US-20030224974-\$ or US-20030055003-\$).did. or (US-7365190-\$ or US-6627099-\$ or US-4617244-\$ or US-6589942-\$ or US-5912000-\$ or US-5599916-\$ or US-4921949-\$ or US-4424346-\$ or US-5059654-\$ or US-4103003-\$).did. or (KR-2001106359-\$ or US-5912000-\$ or US-3862122-\$ or JP-06345804-\$).did.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2009/03/25 13:31
S113	186278	carbohydrate or monosaccharide or disaccharide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 13:38
S114	5259754	metal or calcium sulfate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 13:38
S115	833310	fatty acid or carboxylic acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 13:39
S116	928383	ammonia	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 13:39
S117	31505	S113 and S114 and S115 and S116 and water	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 13:39
S118	78377	chelate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 13:40
S119	5546	S117 and S118	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 13:40

S120	116	S119 and fermentation with enzyme	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 13:40
S121	4158	S119 and @ad<"20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 13:41
S122	88	S120 and @ad<"20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 13:41
S123	21749	chelate.ti. or chelate.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 15:04
S124	2745	S123 and ammonia	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 15:04
S125	2100	S124 and metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 15:05
S126	1810	S125 and acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 15:05
S127	223269	(polysaccharide or carbohydrate or chitin or chitosan or HPMC or hydroxypropylmethyl cellulose or hydroxy propyl methyl cellulose)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 15:05
S128	154	S126 and S127	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 15:05
S129	2745	S123 and "ammonia"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 15:06
S130	1004	S123 and ammonia	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2009/03/25 15:07
S131	837	S130 and @ad<"20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 15:07
S132	810137	calcium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 15:18
S133	31168	S113 and S132 and S115 and S116	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 15:18

S134	6708907	beryllium or magnesium or calcium or strontium or barium or radium or nickel or chromium or lead or copper or iron or zinc or titanium or manganese or cobalt or silver or gold or platinum or palladium or cadmium or lithium or rubidium or cesium or mercury or tin or zirconium or aluminum or thallium or antimony or bismuth or germanium or gallium or molybdenum or tungsten or yttrium or scandium or rhodium or iridium or technetium or osmium or ruthenium or rhenium or vanadium or indium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 15:48
S135	1024610	acetic acid or citric acid or vitamin C or salicylic acid or ethylene glycol or formic acid or propionic acid or malonic acid or lactic acid or malic acid or succinic acid or adipic acid or maleic acid or fumaric acid or ortho acid or oxalic acid or lauric acid or tartaric acid or lysium acid or humic acid or Amberlite®	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 15:51
S136	327455	sucrose or maltose or lactose or rechalose or glucosamine or monosaccharide or disaccharide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 16:03
S137	15520	S134 same3 S135 same3 S136 and ammonia!	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 16:04
S138	9379	S134 same3 S135 same3 S136 and ammonia! same (water or aqueous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 16:06
S139	0	S138 and 524/175.ccis.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 16:07
S140	0	S138 and 524/434.ccis.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 16:09
S141	825	524/434.ccis.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 16:09
S142	30	S141 and chelate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 16:09
S143	3939	S138 and enzyme	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 16:12
S144	2747	S143 and @ad<"20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 16:12
S145	1925945	chelat\$4 or complex\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 16:13

S146	1584	S144 and S145	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 16:14
S147	116	S135 same S136 same calcium sulfate and ammonia! with (water or aqueous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 16:22
S148	73	S147 and @ad<"20050131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 16:24
S149	15	S123 and S138	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 16:34
S150	41	S134 and S135 and S136 and ammonia! same (water or aqueous) and S123	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 16:48
S151	181402	chelat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 16:56
S152	469	S144 and S151	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 16:57
S153	9	("4752509"   "4988576"   "5246739").PN. OR ("8541038").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/25 16:59
S154	39	(US-20060151396-\$ or US-20050182021-\$ or US-20040215045-\$ or US-20030054949-\$ or US-20020143172-\$ or US-20020031561-\$ or US-20010014334-\$ or US-20050227290-\$ or US-20050115890-\$ or US-20030224974-\$ or US-20030055003-\$ or US-20060222593-\$ or US-20040118778-\$ or US-20030138814-\$ or US-20020102672-\$ or US-20020035224-\$ or US-20020012723-\$ or US-20050239750-\$).did. or (US-7365190-\$ or US-5627099-\$ or US-4617244-\$ or US-6589942-\$ or US-5912000-\$ or US-5599916-\$ or US-4921949-\$ or US-4424346-\$ or US-5059654-\$ or US-4103003-\$ or US-5625075-\$ or US-6896809-\$ or US-5364614-\$ or US-6541038-\$ or US-6319382-\$ or US-4383845-\$).did. or (US-3391176-\$).did. or (KF2001106359-\$ or US-5912000-\$ or US-3862122-\$ or JP-06345804-\$).did.	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/03/26 07:18

S155	6712012	beryllium or magnesium or calcium or strontium or barium or radium or nickel or chromium or lead or copper or iron or zinc or titanium or manganese or cobalt or silver or gold or platinum or palladium or cadmium or lithium or rubidium or cesium or mercury or tin or zirconium or aluminum or thallium or antimony or bismuth or germanium or gallium or molybdenum or tungsten or yttrium or scandium or rhodium or iridium or technetium or osmium or ruthenium or rhenium or vanadium or indium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/26 07:18
S156	1025261	acetic acid or citric acid or vitamin C or salicylic acid or ethylene glycol or formic acid or propionic acid or malonic acid or lactic acid or malic acid or succinic acid or adipic acid or maleic acid or fumaric acid or ortho acid or oxalic acid or lauric acid or tartaric acid or lycium acid or humic acid or Amberlite®	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/26 07:18
S157	327830	sucrose or maltose or lactose or rechalose or glucosamine or monosaccharide or disaccharide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/26 07:18
S158	9391	S155 same3 S156 same3 S157 and ammonia same (water or aqueous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/26 07:18
S159	10	S158 and S154	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/26 07:18
S160	407129	sucrose or maltose or lactose or rechalose or glucosamine or monosaccharide or disaccharide or carbohydrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/26 07:22
S161	129487	S155 and S156 and S160 and ammonia	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/26 07:22
S162	22	S161 and S154	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/26 07:22
S163	881593	acetic acid or citric acid or vitamin C or salicylic acid or formic acid or propionic acid or malonic acid or lactic acid or malic acid or succinic acid or adipic acid or maleic acid or fumaric acid or ortho acid or oxalic acid or lauric acid or tartaric acid or lycium acid or humic acid or Amberlite®	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/26 07:25
S164	124789	S155 and S163 and S160 and ammonia	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/26 07:26
S165	22	S164 and S154	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/26 07:26

S166	1319	S155 same S163 same S160 same ammonia!	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/26 07:37
S168	450	S166 and @ad<"20050131"	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/26 07:39
S169	188	S166 and chelat\$3	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/26 07:40
S170	123	S169 and @ad<"20050131"	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/26 07:41
S171	2	"5,582,627".pn.	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/26 07:43
S172	38628	hpmc or hydroxypropyl methyl cellulose or hydroxypropylmethyl cellulose or hydroxymethylpropylcellulose or hydromellose	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/08/10 16:37
S173	1671	S172 same ammonia	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/08/10 16:37
S174	2	S172 same ammonia same chelate	US-PPGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/08/10 16:38

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